PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference kupct l	FOR FURTHER ACTION		ee Form PCT/ISA/220 where applicable, item 5 below.				
International application No.	International filing date (day/n	(Earliest) Priority Date (day/month/year)					
	07 JANUARY 2005 (07.01.2005) 28 FEBRUARY 2004 (28.02.2004)						
	1 C1/1112002/000020						
KOREA UNIVERSITY INDUSTRY AND ACADEMY COOPERATION FOUNDATION et al							
This International search report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.							
This international search report consists of a total of sheets. It is also accompanied by a copy of each prior art document cited in this report.							
 Basis of the report a. With regard to the language, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item. 							
The international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).							
b. With regard to any nucleotide and/or amino acid sequence disclosed in the international application, see Box No. 1.							
2. Certain claims were found un	searchable (See Box No. II)						
3. Unity of invention is lacking (See Box No. III)						
4. With regard to the title,							
the text is approved as submitte	ed by the applicant.						
the text has been established by this Authority to read as follows:							
	•						
	•						
		·					
5. With regard to the abstract,	. I le Alex L'acout						
the text is approved as submitted		s Authority as it	appears in Box No. IV. The applicant				
		-	appears in Box No. IV. The applicant ort, submit comments to this Authority.				
6. With regard to the drawings.							
a. the figure of the drawings to be pub	dished with the abstract is Figur	e No5					
as suggested by the applic							
because the applicant failed to suggest a figure.							
\/	characterizes the invention.						
b. none of the figure is to be publ	ished with the abstract.						

INTERNATIONAL SEARCH REPORT

International application No. PCT/KR2005/000038

		PCT/KR:	2005/000038
A. CLA	SSIFICATION OF SUBJECT MATTER		•••
IPC7 C	C08K 7/10		
According to	International Patent Classification (IPC) or to both nation	onal classification and IPC	
B. FIEL	LDS SEARCHED		
Minimum doo	cumentation searched (classification system followed by 7/10	classification symbols)	
Doormanter	on searched other than minimum documentation to the e	xtent that such documents are included i-	the fields searched
Korean pater	on searched other than minimum documentation to the earth of the earth		
	ta base consulted during the intertnational search (name ELSEVIER SCOPUS	of data base and, where practicable, sear	ch terms used)
C. DOCU	MENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where app	propriate, of the relevant passages	Relevant to claim No.
X .	KR 10-2002-95380 A (POWERTECH INC.) 26 December 2002 (2002-12-26)		1-4, 7, 13-16, 18, 19
. Y	See abstract; 3-4 pages; claims 1-6, 9 and 13-16		5, 6, 8-12, 20
Y	US 2003/50354 A1 (Gilman, A.L. and Simpson, S. S 13 March 2003 (2003-03-13)	•)	5, 6, 8-12
•	See the whole document	· .	
Y	Hu, J. et al: "Synthesis of polyurethane/clay intercala POLYMER SCIENCE, SPRINGER-VERLAG, 2001 See Experimental; Results and discussion		5, 11
Y	Kim, B.K. et al: "Morphology and properties of water EUROPEAN POL YMER JOURNAL, ELSEVIER S See Experimental procedure; Results and discussion	SCIENCE LTD., 2003, vol. 39, pages 85-	
A	Feng, W. et al: "Polymerization compounding: Epoxy POLYMER ENGINEERING AND SCIENCE, JOHN 2002 (2002-09-30), vol. 42, pages 1827-1835 See the whole document		1-4, 7, 13, 14
▽		See notant family, const	
	er documents are listed in the continuation of Box C.	See patent family annex.	
Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier application or patent but published on or after the international filing date "It" document defining the general state of the art which is not considered to be of particular relevance invention "X" document of particular relevance; the claimed invention of considered novel or cannot be considered to involve an invention of particular relevance; the claimed invention of document of particular relevance of the document of particular relevance of the document of particular relevance of the document of particular relevance of t			plication but cited to understand e invention claimed invention cannot be idered to involve an inventive ne e claimed invention cannot be
"O" documen means	reason (as specified) at referring to an oral disclosure, use, exhibition or other at published prior to the international filing date but later	considered to involve an inventive combined with one or more other substitution of the same patent. "&" document member of the same patent.	ch documents, such combination ne art
than the p	priority date claimed		
	ctual completion of the international search 11 APRIL 2005 (11.04.2005)	Date of mailing of the international sea 18 APRIL 2005 (_
	ailing address of the ISA/KR	Authorized officer	
	Korean Intellectual Property Office 920 Dunsan-dong, Sco-gu, Daejeon 302-701, Republic of Korea	KANG, HYUNG SEOK	
Facsimile No	o. 82-42-472-7140	Telephone No. 82-42-481-5597	المنالمة الم

INTERNATIONAL SEARCH REPORT

International application No.
PCT/KR2005/000038

C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT				
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.		
A	Chen, TK. et al: "Synthesis and characterization of novel segmented polyurethane/clay nanocomposite", POLYMER, ELSEVIER SCIENCE LTD., 2000, vol. 41, pages 1345-1353 See Experimental	5, 11		
A	US 6,242,500 B1 (AMCOL International Corp.) 5 June 2001 (2001-06-05) See abstract; figure 5-7			